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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	TBD	
	Filing Date	November 12, 2003	
	First Named Inventor	CHOU et al.	
	Art Unit	TBD	
	Examiner Name	TBD	
Total Number of Pages in This Submission		Attorney Docket Number	14002-7

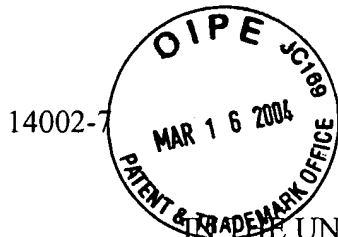
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	GLEN E. BOOKS (REG. NO. 24,950) LOWENSTEIN SANDLER PC 65 LIVINGSTON AVENUE, ROSELAND, NJ 07068
Signature	<i>Glen E Books</i>
Date	3/16/04

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14002-7

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
	:	Examiner: TBA
Chou et al.)	
	:	Group Art Unit: TBA
Application No.: TBA)	
	:	
Filed: November 12, 2003	:	
	:	
For: COMPOSITIONS AND PROCESSES)	
FOR NANOIMPRINTING)	March 16, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

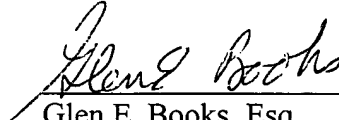
In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449. Copies of the listed documents are also enclosed. It is respectfully requested that the PTO-1449 form be initialed and returned, indicating that the cited reference has been considered.

CONCLUSION

Applicants' undersigned attorney may be reached by telephone at (973) 597-2500.

All correspondence should continue to be directed to our address listed below.

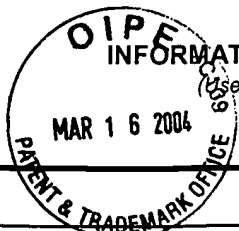
Respectfully submitted,

A handwritten signature in cursive script, reading "Glen E. Books", is written over a horizontal line.

Glen E. Books, Esq.

Registration No. 24,950

DOCKET ADMINISTRATOR
LOWENSTEIN SANDLER PC
65 Livingston Avenue
Roseland, NJ 07068
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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
14002-7SERIAL NO.
TBD

Chou et al.

FILING
November 12, 2003GROUP
TBD

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,592,081	05/27/1986	Eaton et al.			
	4,211,489	07/08/1980	Kleinknecht et al.			
	2,302,024	11/17/1942	Goss, Jr.			
	3,742,229	06/26/1973	Smith et al.			
	3,951,548	04/20/1976	Westell			
	4,037,325	07/26/1977	Weber et al.			
	4,200,395	04/29/1980	Smith et al.			
	4,475,223	10/02/1984	Taniguchi et al			
	4,588,468	05/13/1986	McGinty et al.			
	4,883,563	11/28/1989	Kotani et al.			
	6,056,526	05/02/00	Sato			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	1196749	01/30/1988	Japan w/English Abstract				
	244884	03/28/1986	European				
	4255307	09/10/1992	Japan w/English Abstract				
	4332694	08/05/1991	Japan w/English Abstract				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Broers, et al., "250-A Linewidths with PMMA Electron Resist", <u>Applied Physics Letter</u> 33 (5), 1978 American Institute of Physics, 392-394, (September 1, 1978)
		Chou, S.Y., et al., "Imprint Lithography with 25-Nanometer Resolution", <u>Science</u> , Vol. 272, 85-87, (April 5, 1996)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 14002-15		SERIAL NO. TBD	
				Chou et al.			
				FILING November 12, 2003		GROUP TBD	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,352,394	10/04/1994	Fujita et al.			
		3,743,842	07/03/1973	Smith, H.I., et al.			
		4,310,743	01/12/1982	Seliger, R.L.			
		4,383,026	05/10/1983	Hall, T.M.			
		4,450,358	05/22/1984	Reynolds, G.O.			
		4,498,009	02/05/1985	Reynolds, G.O.			
		4,516,253	05/07/1985	Novak, W.T.			
		4,552,615	11/12/1985	Amendola, A., et al.			
		4,576,678	03/18/1986	Shibata, H.			
		4,606,788	08/19/1986	Moran, P.L.			
		4,731,155	03/15/1988	Napoli, L.S., et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		9117565	11/14/1991	PCT			
		98/26913	06/25/1998	PCT			
		WO 93/21671	10/28/1993	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Early, K., et al., "Absence of Resolution Degradation in X-Ray Lithography for Wavelength from 4.5nm to 0.83nm", <u>Microelectronic Engineering 11</u> , Elsevier Science Publishers B.V., 317-321, (1990)					
		Fischer, et al., "10 nm Electron Beam Lithography and sub-50 nm Overlay Using a Modified Scanning Electron Microscope", <u>Applied Physics Letter 62 (23)</u> , 1993 American Institute of Physics, 2989-2991 (June 7, 1993)					
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 14002-15		SERIAL NO. TBD	
				Chou et al.			
				FILING December 10, 2003		GROUP TBD	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,833,303	09/03/1974	Burns et al.			
		4,325,779	04/20/1982	Rossetti, J.J.			
		4,832,790	05/23/1989	Rossetti, J.J.			
		5,277,749	01/11/1994	Griffith, J.H., et al.			
		5,861,113	01/19/1999	Choquette, S.J., et al.			
		5,032,216	07/16/1991	Felten			
		5,152,861	10/06/1992	Hann			
		4,664,862	05/12/1987	Ghavamikia			
		5,253,409	10/19/1993	Bier et al.			
		5,234,571	08/10/1993	Noeker			
		4,738,010	04/19/1988	Ehrfeld et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
			Hara, et al., "An Alignment Technique Using Diffracted Moire Signals", J. Vac. Sci. Technol. B7 (6), 1989 American Vacuum Society, 1977-1979, (Nov./Dec. 1989)				
			Harmening, et al., "Molding of Threedimensional Microstructures by the Liga Process" <u>Proceedings IEEE: Micro Electro Mechanical Systems</u> , Travemunde, Germany, 202-207, (1992)				
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 14002-7	SERIAL NO. TBD
	Chou et al.	
	FILING November 12, 2003	GROUP TBD

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,119,151	06/02/1992	Onda			
	4,781,790	11/01/1988	Wu			
	4,788,015	11/29/1988	Sakai et al.			
	4,294,650	10/13/1981	Werthmann			
	3,923,566	12/02/1975	Law			
	5,259,926	11/09/1993	Kuwabara et al.			
	5,425,848	06/20/1995	Haisma et al.			
	5,503,963	04/02/1996	Bifano			
	4,543,225	09/24/1985	Beaujean			
	5,434,107	07/18/1995	Paranjpe			
	5,338,396	08/16/1994	Abdala et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Li, et al., "Molding of Plastic Components Using Micro-EDM Tools", <u>IEEE/CHMT International Electronics Manufacturing Technology Symposium</u> 145-149, (1992)
		Nomura, et al., "Moire Alignment Technique for the Mix and Match Lithographic System: <u>J. Vacuum Society Technol. B6</u> (1), American Vacuum Society, 394-398, (Jan/Feb 1988)

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				Chou et al.			
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,471,455	05/17/1994	Jabr			
		4,287,235	05/29/1979	Flanders			
		4,512,848	04/23/1985	Deckman et al.			
		5,638,355	06/10/1997	Jabr			
		5,259,926	11/09/1993	Kuwabara et al. (Duplicate)			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Kamins, T.L., et al., "Positioning of Self-Assembled, single-crystal, germanium islands by silicon nanoimprinting" Applied Physics Letter, Vol. 74, No. 12, March 22, 1999.					
		Wang, J., et al., "Fabrication of a new broadband waveguide polarizer with a double-layer 190 nm period metal-gratings using nanoimprint lithography" J. Vac. Sc. Technol. B 17 (6) Nov/Dec 1999.					
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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Aumiller et al., "Submicrometer Resolution Replication of Relief Patterns for Integrated Optics", J. Appl. Phys., Vol. 45, pp. 4557-4562, (1974)
			Nisper, "Injection-molded replication of binary optic structures", SPIE v2600 Oct 23-24, 1995 p. 56-64 0227-786X

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	Chou et al.	
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Shvartsman, "Holographic optical elements by dry photopolymer embossing" SPIE (1991) 1461 (pract. Holog. S) pp. 313-320
		"Fabrication of submicron crossed square wave gratings by dry etching and thermoplastic replication techniques" JVST B Vol. 1, No. 4, Dec 1983 pp. 1207-1210

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	Chou et al.	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Healey et al., "Photodeposition of Micrometer-scale polymer patterns on optical imaging Fibers" Science Vol. 269, No. 25, August 1995, pp. 1078-1080.

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